Climate Prisms: The Arctic

Connecting Climate Research to Climate Modeling via the Language of Art

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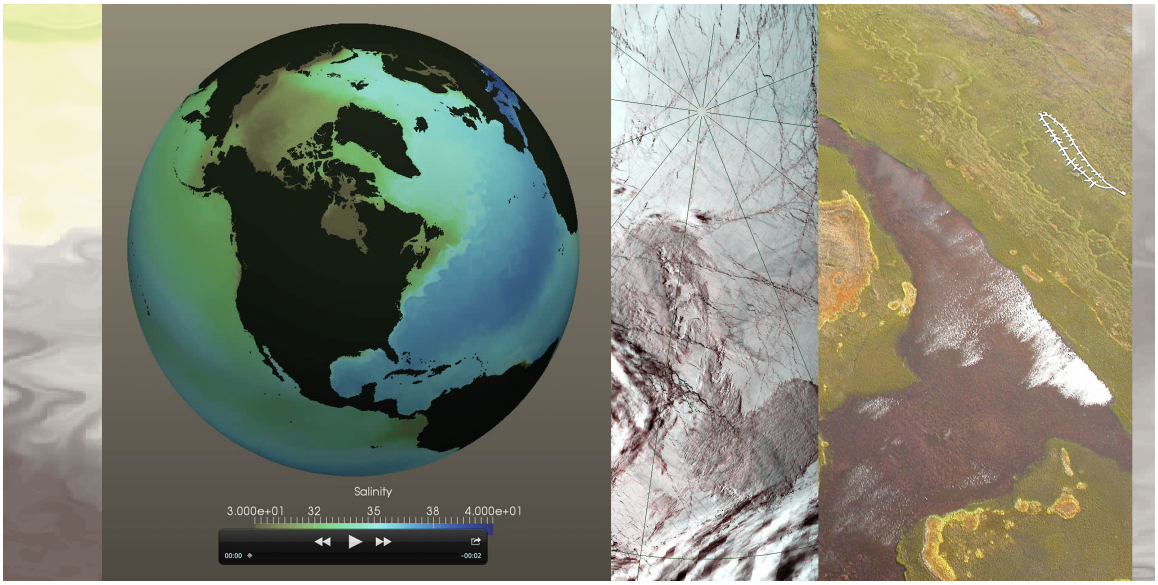
Bradbury Science Museum

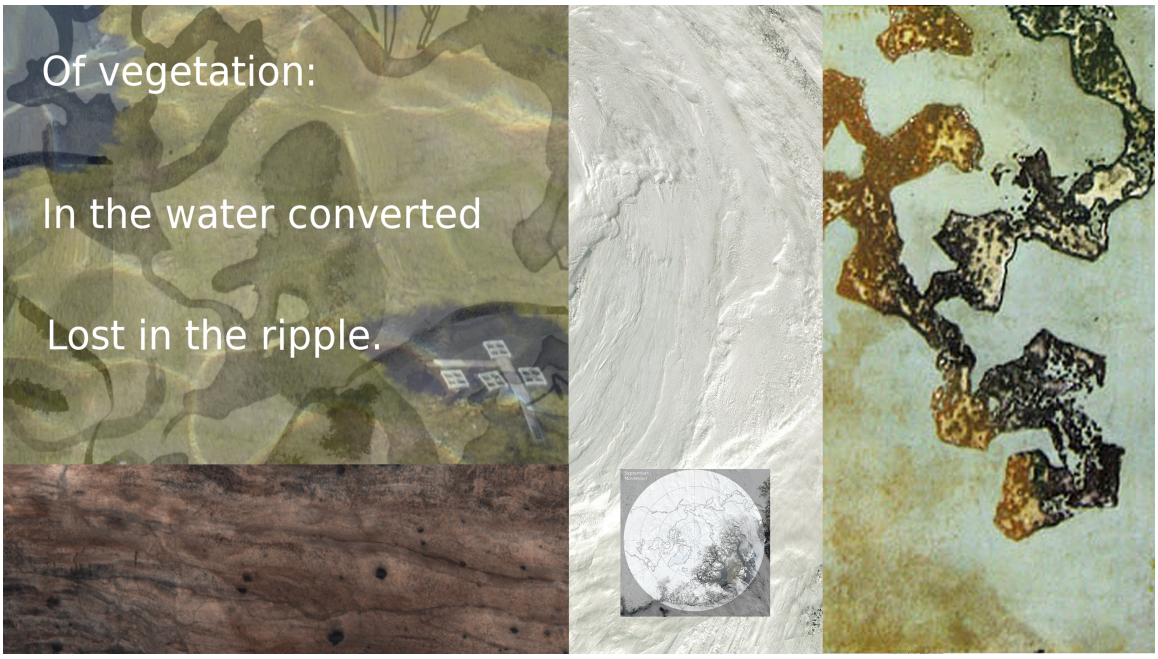


This is an example of a screen display on the interactive system. Here are a set of images that contains (left to right) – an MPAS ocean model visualization of salinity, a section of a map of the arctic, an aerial view of one of the Barrow, Alaska research sites.

video: https://vimeo.com/131937110
supporting materials: https://datascience.lanl.gov/samsel

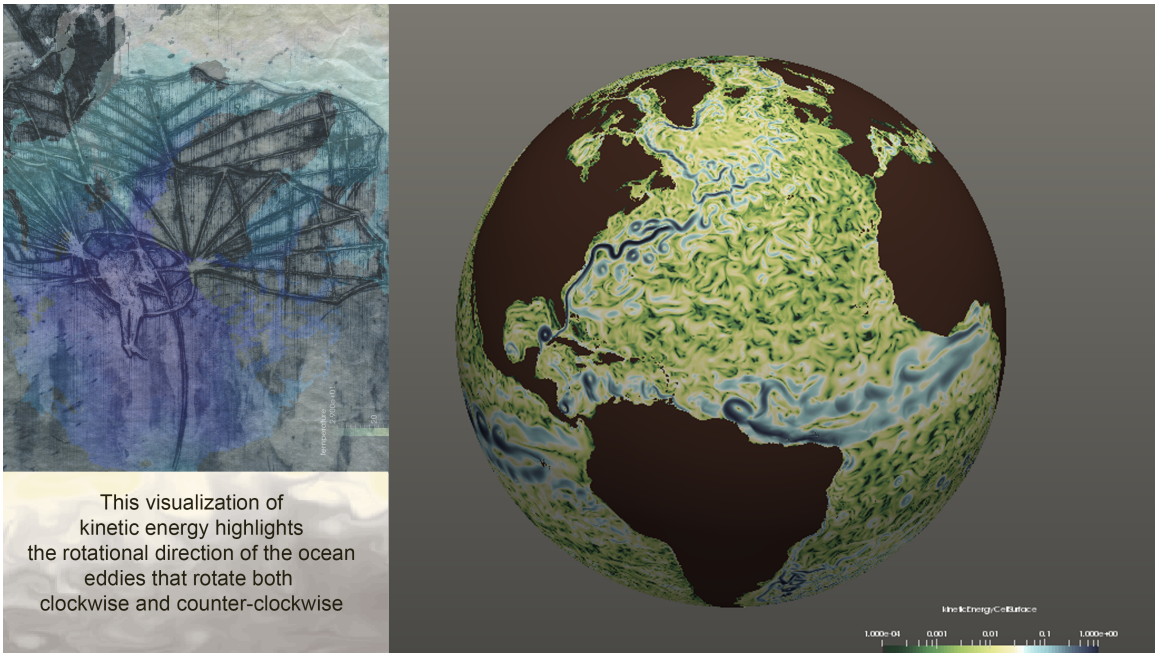
Lead Project Scientists:
Cathy Wilson, LANL
Mark Petersen, LANL
Timothy Kneadsey, LBNL
Garrett Altmann, LANL
Jim Ahrens, LANL

The project has two complete traveling systems. For information on the traveling systems please contact Linda Deck, Director of the Bradbury Science Museum, LANL. ldeck@lanl.gov

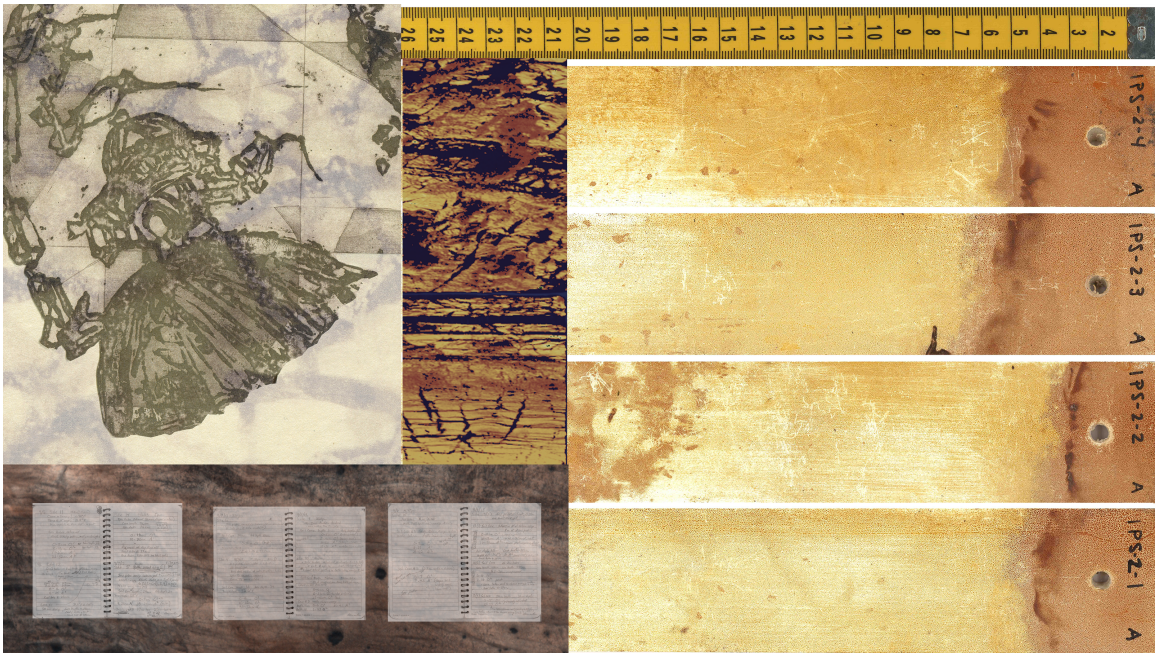


Content (left to right) Haiku by Hannah Wojciehowski, University of Texas at Austin over painting, satellite imagery of the Arctic with overlaid map abstraction, etching based on pond imagery.

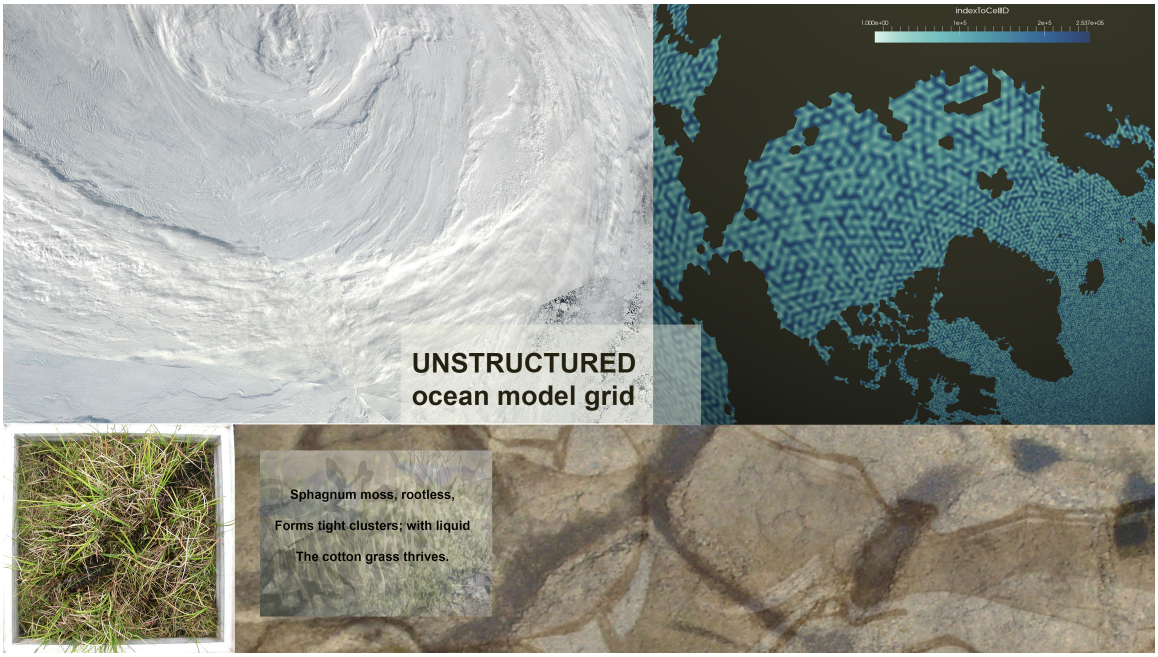
Content (left to right) tundra core sample (C. Tweedie), water abstract, NGEE team drilling the core in the Acrtic.



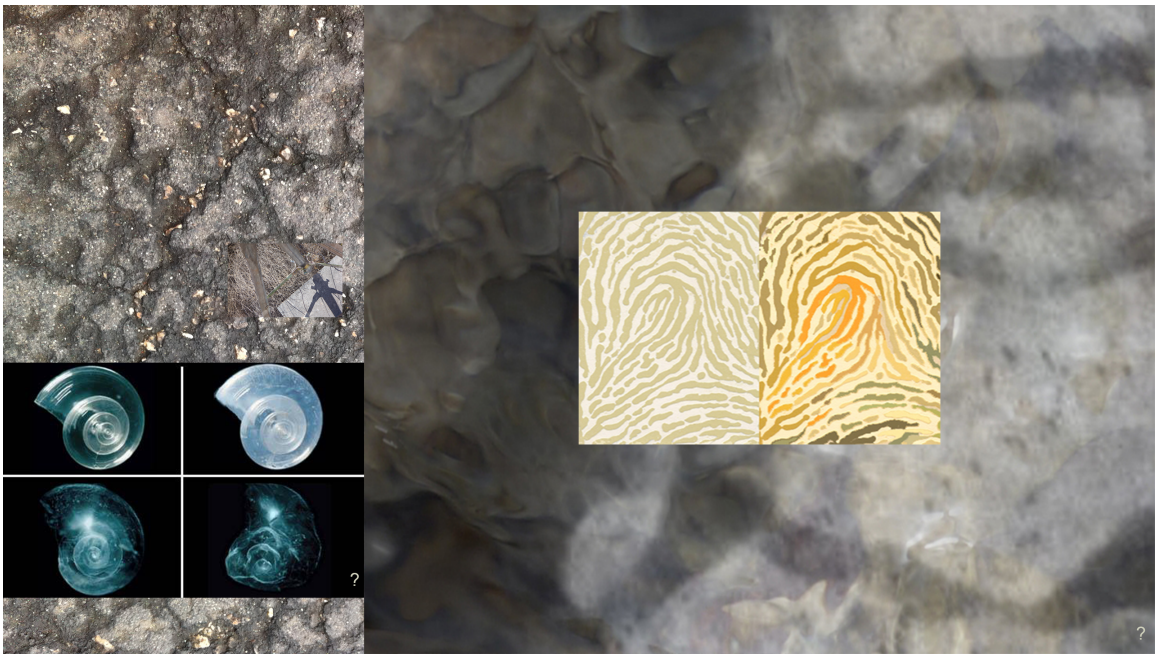
Content (left to right) etching (F. Samsel), description of the MPAS - Ocean visualization on right, MPAS – Ocean visualization of salinity.



Content (left to right) etching of a satellite, notes from C. Wilson on the core samples, CT scan of the core samples, Iris probes studying soils, NGEE – Arctic.



Content (left to right) satellite image of the Acrtic, grass plot (C. Tweedie), MPAS – Ocean visualization of the grid structure, abstract with polygonal ground photo.



Content (left to right) photo of asphalt, images of shells effected by levels of acidity, abstract photo overlaid with an etching (F. Samsel).